

## **AMENDMENTS TO THE CLAIMS**

1. (Previously Presented) A method of automating a decision-making process related to an organization based on a collection of data reflecting a state of the organization, the method comprising:

selecting discrete coupleable items executable in a computer-implemented workflow environment, wherein the discrete coupleable items encapsulate work associated with activities identified by decomposing the decision-making process; said discrete coupleable items comprising:

a set of executable query directives, each executable query directive defining a query to be run against the collection of data;

a set of executable analysis directives, each executable analysis directive defining an analysis to be performed based on results of a query; and

a set of executable distribution directives; each executable distribution directive defining distribution of information based on an analysis to one or more destinations;

creating an executable workflow by coupling at least one of said executable query directives, at least one of said executable analysis directives, and at least one of said executable distribution directives; and

executing said executable workflow to run said query against said collection of data, perform said analysis based on the results of said query, and distribute the results of said analysis to said one or more destinations.

2. (Original) The method of claim 1 further comprising:

scheduling the executable workflow for automatic execution.

3. (Original) The method of claim 2 wherein scheduling comprises:  
specifying a condition as a state change in data of the data collection  
serving as input to the decision-making process; and  
responsive to determining the condition has occurred, automatically  
executing the workflow.
  
4. (Original) The method of claim 1 further comprising:  
scheduling the executable workflow for automatic initiation upon detection  
of a specified state change in the collection of data
  
5. (Original) The method of claim 1 wherein the executable workflow  
comprises at least one template having unbound values.
  
6. (Original) The method of claim 1 wherein the executable workflow  
comprises at least one conditional branch.
  
7. (Original) The method of claim 1 wherein the executable workflow  
comprises at least one gate.
  
8. (Original) The method of claim 1 wherein the executable workflow  
is sharable among a plurality of users.
  
9. (Original) The method of claim 1 wherein the collection of data  
comprises a data warehouse.
  
10. (Original) The method of claim 9 wherein the data warehouse  
comprises databases having disparate schema.

11. (Canceled)
12. (Currently Amended) The method of ~~claim 11~~ claim 1 further comprising:  
tracking workflow execution duration time.
13. (Currently Amended) The method of ~~claim 11~~ claim 1 further comprising:  
during execution of the executable workflow, responsive to detecting a plurality of inputs to an item within the workflow, instantiating multiple instances of the item for accepting the inputs.
14. (Original) The method of claim 1 wherein the executable workflow is operable to specify a proposed course of action to avoid a potential problem.
15. (Original) The method of claim 14 wherein the executable workflow is operable to specify a proposed course of action to avoid a budget overrun.
16. (Original) The method of claim 1 wherein the executable workflow is operable to identify a problem and provide a recommendation for avoiding the problem.
17. (Original) The method of claim 1 further comprising:  
specifying a condition to trigger automatic initiation of execution of the executable workflow in the computer environment.

18. (Original) The method of claim 1 wherein at least one of the destinations represents a decision-maker.

19. (Original) The method of claim 1 wherein at least one of the destinations is associated with a wireless device.

20. (Original) The method of claim 1 wherein at least one of the destinations is an email address.

21. (Original) The method of claim 1 wherein at least one of the destinations is associated with web page.

22. (Original) The method of claim 1 wherein at least one of the destinations is associated with database.

23. (Original) The method of claim 1 wherein at least one of the items defines a presentation event to a decision-maker.

24. (Original) The method of claim 23 further comprising;  
tracking a decision-maker's reaction to the presentation event.

25. (Original) The method of claim 1 wherein the executable workflow comprises a metasequence.

26. (Original) The method of claim 1 further comprising;  
persisting the interim state of the workflow;

providing access to the interim state of the workflow to a decision-maker.

27. (Original) The method of claim 26 wherein providing access comprises providing a hyperlink to the interim state of the workflow.

28. (Original) The method of claim 1 wherein the executable workflow distributes a link to interim processing performed during execution of the workflow.

29. (Original) The method of claim 1 wherein the executable workflow performs closed-loop processing without further user input.

30. (Original) The method of claim 1 wherein the executable workflow reflects best practices of the organization.

31. (Original) The method of claim 1 wherein the executable workflow reflects best practices of the organization as determined by repeated execution and refinement of the workflow.

32. (Original) The method of claim 1 wherein the executable workflow distributes information based on stored user permissions.

33. (Original) The method of claim 1 wherein the executable workflow selectively distributes exceptions when detected in the collection of data.

34. (Original) The method of claim 1 further comprising:  
publishing the executable workflow to a plurality of users of the computer  
environment.

35. (Canceled)

36. (Canceled)

37. (Previously Presented) A computer-readable medium comprising  
computer-executable instructions for generating and distributing information  
based on a collection of data, the instructions causing a computer to:

create an executable sequence of associated discrete items executable in a  
computer environment, wherein at least one of the associated discrete items  
defines a query to be run against the collection of data, and at least one of the  
associated discrete items defines a distribution directive operable to distribute  
information based on the query to at least one destination;

schedule the executable sequence for automatic execution in the computer  
environment, wherein at least one of the associated discrete items is denoted as  
coupled to another of the associated discrete items; and

execute said executable sequence to run said query against said collection  
of data, and distribute the information based upon the results of said query to said  
at least one destination.

38. (Canceled)

39. (Canceled)

40. (Canceled)
41. (Canceled)
42. (Canceled)
43. (Canceled)
44. (Currently Amended) The method of ~~claim 39~~ claim 1 further comprising:  
scheduling the ~~processing directives~~ executable workflow for periodic execution to provide notifications of data exceptions in the data collection to at least one of the destinations.
45. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein the ~~processing directive operable to distribute information at least one of said executable distribution directives~~ is operable to distribute information to a web site, the method further comprising:  
scheduling the ~~processing directives~~ executable workflow for periodic execution to update the web site.
46. (Currently Amended) The method of ~~claim 39~~ claim 1 further comprising:  
scheduling the ~~processing directives~~ executable workflow for periodic execution to automatically order additional inventory responsive to detecting a shortage.

47. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein the ~~processing directive operable to distribute information at least one of said executable distribution directives~~ is configurable to distribute information to a variety of destination types.

48. (Original) The method of claim 47 wherein the destination types comprise the following destination types:

a wireless device destination type; and  
an email destination type.

49. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein at least one of the destinations is associated with a user; and distribution of at least some of the information directed to the ~~processing directive operable to distribute information at least one of said executable distribution directives~~ is blocked based on stored permissions of the user.

50. (Original) The method of claim 49 wherein at least one of the destinations is associated with another user; and access to the blocked information is permitted for the other user based on stored permissions of the other user.

51. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein the ~~sequence executable workflow~~ produces interim results, the method further comprising:

storing the interim results; and  
distributing to at least one of the destinations a link by which the interim results can be accessed.

52. (Original) The method of claim 51 further comprising:  
blocking access to at least a portion of the interim results by a user based on  
stored permissions for the user.

53. (Canceled)

54. (Canceled)

55. (Canceled)

56. (Canceled)

57. (Canceled)

58. (Canceled)

59. (Canceled)

60. (Canceled)

61. (Canceled)

62. (Canceled)

63. (Canceled)

64. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein at least one of the ~~processing directives~~ selected discrete coupeable items is sharable among a plurality of users.

65. (Currently Amended) The method of ~~claim 39~~ claim 1 wherein at least one of the ~~processing directives~~ selected discrete coupeable items is included in another executable sequence workflow.

66. (Canceled)

67. (Currently Amended) The method of ~~claim 39~~ claim 1 further comprising:

publishing the executable sequence workflow to a plurality of users.

68. (Original) The method of claim 67 further comprising: accepting user edits to the published executable sequence workflow; and saving the edited published executable sequence workflow as a separate executable sequence workflow.

69. (Canceled)

70. (Canceled)

71. (Previously Presented) A computer-implemented system for defining query-based processing to be performed for a collection of data via specification of a sequence of loosely-coupled processing directives, the system comprising:

a sequence definer for accepting a set of loosely-coupled processing directives, wherein at least one of the processing directives is a query, at least one of said processing directives is an analysis directive, and wherein at least one of the processing directives is a distribution directive;

a sequence execution coordinator for coordinating execution of the sequence and coupling the processing directives during execution of the sequence; and

a delivery coordinator for distributing results produced by the execution of the sequence to said one or more destinations.

72. (Canceled)

73. (Canceled)

74. (Previously Presented) The method of claim 1 wherein the decision-making process comprises a financial-based decision-making process for the organization;

wherein the executable workflow is operable to identify budget overruns for cost centers;

wherein the collection of data comprises a data warehouse;

wherein the at least one discrete coupleable item defining a query is operable to generate information relating to the cost centers;

wherein the at least one discrete coupleable item defining an analysis is operable to generate information to identify significant budget overruns;

wherein the at least one discrete coupleable item defining distribution is operable to distribute information indicating the identified budget overrun to a manager responsible for the cost center;

and wherein the method further comprises:  
scheduling the executable workflow for periodic execution; and  
executing the executable workflow to generate automatic notifications to  
the manager responsive to detecting a budget overrun.

75. (Canceled)